LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA

LOCATION.--Lat 40°41'12", long 75°12'32", Northampton County, Hydrologic Unit 02040106, on left bank, near bridge on U.S. Highway 611 in Easton.

DRAINAGE AREA.--1,364 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

PERIOD OF DAILY RECORD.--
  SPECIFIC CONDUCTANCE: October 1963 to current year.
  pH: November 1972 to current year.
  WATER TEMPERATURE: October 1961 to current year.
  DISSOLVED OXYGEN: June 1966 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1961. Probes interfaced with a data collection platform since the 1986 water year.

REMARKS.--Specific conductance, pH, water temperature and dissolved oxygen records rated good. Beginning with the 1978 water year, no data were recorded during the months of October through March. Other interruptions in the record were due to malfunctions of the pump or recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
  SPECIFIC CONDUCTANCE: Maximum, 581 microsiemens, Aug. 19, 1963; minimum, 70 microsiemens, Nov. 14, 1970.
  pH: Maximum, 8.7, July 18, 19, 1991; minimum, 6.0, Mar. 16, 1978.
  WATER TEMPERATURE: Maximum, 30.5°C, July 29, 1970, July 21, 1980; minimum, 0.0°C, many days during winters.
  DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Apr. 14, 1986; minimum, 0.0 mg/L, Aug. 4, 1966.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	198	169	178	---	---	---	---	---	---	---	---	---
2	203	184	194	---	---	---	---	---	---	---	---	---
3	189	183	186	---	---	---	---	---	---	---	---	---
4	190	184	187	---	---	---	---	---	---	---	---	---
5	203	184	190	---	---	---	---	---	---	---	---	---
6	222	203	215	---	---	---	---	---	---	---	---	---
7	225	215	220	---	---	---	---	---	---	---	---	---
8	226	219	222	---	---	---	---	---	---	---	---	---
9	233	220	227	---	---	---	---	---	---	---	---	---
10	221	184	198	---	---	---	---	---	---	---	---	---
11	192	178	185	---	---	---	---	---	---	---	---	---
12	195	180	189	---	---	---	---	---	---	---	---	---
13	196	155	182	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	233	155	198	---	---	---	---	---	---	---	---	---

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	197	191	192	220	209	217
2	---	---	---	---	---	---	202	196	199	241	219	229
3	---	---	---	---	---	---	204	198	201	241	228	234
4	---	---	---	---	---	---	204	195	200	236	228	233
5	---	---	---	---	---	---	198	178	186	244	231	237
6	---	---	---	---	---	---	190	181	186	242	233	238
7	---	---	---	---	---	---	197	188	192	239	232	235
8	---	---	---	---	---	---	212	197	207	251	230	242
9	---	---	---	---	---	---	211	192	204	275	246	258
10	---	---	---	---	---	---	193	179	184	288	273	278
11	---	---	---	---	---	---	189	180	184	287	221	268
12	---	---	---	---	---	---	189	178	181	221	183	201
13	---	---	---	---	---	---	181	174	179	---	---	---
14	---	---	---	---	---	---	182	175	178	---	---	---
15	---	---	---	---	---	---	186	182	184	---	---	---
16	---	---	---	---	---	---	191	179	186	207	194	202
17	---	---	---	---	---	---	197	185	192	219	204	214
18	---	---	---	---	---	---	196	186	191	237	218	228
19	---	---	---	---	---	---	186	171	180	234	201	216
20	---	---	---	---	---	---	---	---	---	208	191	199
21	---	---	---	---	---	---	---	---	---	196	187	192
22	---	---	---	---	---	---	---	---	---	194	189	191
23	---	---	---	---	---	---	---	---	---	198	187	192
24	---	---	---	---	---	---	---	---	---	189	170	182
25	---	---	---	---	---	---	---	---	---	171	157	163
26	---	---	---	---	---	---	199	192	196	166	155	159
27	---	---	---	---	---	---	206	199	203	177	165	171
28	---	---	---	199	174	191	214	206	210	179	175	177
29	---	---	---	174	164	167	218	209	213	185	178	181
30	---	---	---	170	164	167	219	209	214	191	185	190
31	---	---	---	191	169	179	---	---	---	208	190	200
MONTH	---	---	---	199	164	176	219	171	193	288	155	212

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	218	206	213	191	184	187	203	166	182	365	344	357
2	226	214	222	205	191	201	178	159	170	353	331	342
3	221	204	215	210	202	206	194	177	187	335	320	327
4	221	216	219	231	209	221	204	187	198	328	321	325
5	225	218	222	236	225	231	219	204	214	328	318	324
6	232	221	226	240	228	235	223	218	220	327	319	324
7	222	176	195	249	235	241	238	223	233	357	323	342
8	183	172	178	262	245	249	259	237	250	380	357	373
9	176	168	172	264	258	261	259	248	255	389	380	384
10	182	176	178	276	260	265	266	253	260	393	384	388
11	201	182	195	289	276	281	270	262	265	391	384	388
12	203	189	198	299	289	292	277	265	271	387	377	381
13	206	173	192	313	299	304	271	256	262	391	367	381
14	174	165	170	328	307	315	260	252	256	367	332	349
15	170	163	166	337	322	329	277	253	263	332	313	324
16	176	168	172	327	280	309	300	271	281	326	302	310
17	182	175	178	280	261	269	306	296	300	335	298	320
18	195	182	192	274	247	259	326	306	314	298	269	277
19	201	195	199	249	235	241	328	317	322	310	279	295
20	215	198	205	275	247	257	327	315	321	323	309	316
21	207	196	204	294	273	280	320	309	314	316	304	310
22	208	184	199	305	294	299	334	316	325	328	306	315
23	184	178	180	314	298	303	355	334	347	349	328	338
24	188	180	185	298	287	293	365	351	358	368	349	359
25	189	178	185	309	297	303	362	344	353	362	344	355
26	183	169	177	327	307	316	355	344	347	350	338	345
27	184	168	179	---	---	---	356	338	347	350	332	341
28	189	182	185	---	---	---	338	302	316	345	334	340
29	197	182	189	---	---	---	330	312	318	355	343	350
30	199	183	191	---	---	---	349	329	335	370	352	363
31	---	---	---	---	---	---	359	349	354	---	---	---
MONTH	232	163	193	337	184	267	365	159	282	393	269	341

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			**NOVEMBER**			**DECEMBER**			**JANUARY**		
1	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
2	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
3	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
4	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
5	7.4	7.3	7.3	---	---	---	---	---	---	---	---	---
6	7.6	7.4	7.5	---	---	---	---	---	---	---	---	---
7	7.5	7.5	7.5	---	---	---	---	---	---	---	---	---
8	7.5	7.5	7.5	---	---	---	---	---	---	---	---	---
9	7.6	7.5	7.6	---	---	---	---	---	---	---	---	---
10	7.6	7.4	7.4	---	---	---	---	---	---	---	---	---
11	7.4	7.3	7.4	---	---	---	---	---	---	---	---	---
12	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
13	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	7.6	7.5	7.6	---	---	---	---	---	---	---	---	---
MIN	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	FEBRUARY			**MARCH**			**APRIL**			**MAY**		
1	---	---	---	---	---	---	7.4	7.2	7.3	7.7	7.6	7.6
2	---	---	---	---	---	---	7.4	7.3	7.3	8.0	7.5	7.7
3	---	---	---	---	---	---	7.7	7.3	7.3	7.7	7.5	7.7
4	---	---	---	---	---	---	7.7	7.4	7.6	7.9	7.6	7.7
5	---	---	---	---	---	---	7.4	7.2	7.4	7.8	7.6	7.7
6	---	---	---	---	---	---	7.6	7.3	7.4	7.8	7.5	7.6
7	---	---	---	---	---	---	7.3	7.2	7.2	7.6	7.4	7.5
8	---	---	---	---	---	---	7.5	7.2	7.3	7.7	7.5	7.6
9	---	---	---	---	---	---	7.5	7.2	7.3	7.6	7.5	7.6
10	---	---	---	---	---	---	7.4	7.2	7.3	7.7	7.5	7.6
11	---	---	---	---	---	---	7.5	7.2	7.4	7.5	7.4	7.4
12	---	---	---	---	---	---	7.5	7.2	7.4	7.6	7.2	7.3
13	---	---	---	---	---	---	7.5	7.3	7.4	---	---	---
14	---	---	---	---	---	---	7.5	7.3	7.4	---	---	---
15	---	---	---	---	---	---	7.7	7.3	7.6	---	---	---
16	---	---	---	---	---	---	7.7	7.4	7.6	7.6	7.5	---
17	---	---	---	---	---	---	7.5	7.4	7.5	7.6	7.5	7.6
18	---	---	---	---	---	---	7.5	7.4	7.4	7.6	7.4	7.6
19	---	---	---	---	---	---	7.5	7.2	7.4	7.6	7.4	7.5
20	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4
21	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4
22	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4
23	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
24	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
25	---	---	---	---	---	---	---	---	---	7.3	7.3	7.3
26	---	---	---	---	---	---	7.7	7.5	7.6	7.3	7.3	7.3
27	---	---	---	---	---	---	7.8	7.6	7.7	7.3	7.3	7.3
28	---	---	---	7.7	7.4	7.5	7.7	7.6	7.7	7.4	7.3	7.3
29	---	---	---	7.5	7.4	7.5	7.8	7.4	7.7	7.4	7.3	7.3
30	---	---	---	7.5	7.3	7.4	7.7	7.5	7.6	7.4	7.3	7.4
31	---	---	---	7.4	7.2	7.4	---	---	---	7.4	7.4	7.4
MAX	---	---	---	7.7	7.4	7.5	7.8	7.6	7.7	8.0	7.6	7.7
MIN	---	---	---	7.4	7.2	7.4	7.3	7.2	7.2	7.3	7.2	7.3

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	7.3	7.3	7.5	7.4	7.4	7.5	7.3	7.4	7.7	7.5	7.5
2	7.3	7.3	7.3	7.5	7.4	7.5	7.5	7.3	7.4	7.5	7.4	7.4
3	7.4	7.3	7.4	7.5	7.5	7.5	7.4	7.3	7.3	7.6	7.3	7.4
4	7.4	7.3	7.3	7.6	7.5	7.5	7.4	7.4	7.4	7.6	7.4	7.5
5	7.4	7.3	7.3	7.6	7.6	7.6	7.4	7.4	7.4	7.8	7.5	7.6
6	7.4	7.3	7.4	7.6	7.6	7.6	7.6	7.4	7.5	7.8	7.5	7.6
7	7.3	7.3	7.3	7.6	7.6	7.6	7.6	7.5	7.5	7.9	7.5	7.6
8	7.3	7.2	7.3	7.7	7.5	7.6	7.6	7.5	7.6	7.8	7.6	7.7
9	7.3	7.2	7.2	7.7	7.6	7.6	7.6	7.5	7.6	7.9	7.6	7.7
10	7.3	7.2	7.3	7.8	7.6	7.7	7.7	7.6	7.6	7.9	7.6	7.7
11	7.3	7.2	7.3	7.8	7.6	7.7	7.7	7.6	7.7	7.9	7.6	7.7
12	7.3	7.2	7.2	7.9	7.6	7.7	7.7	7.6	7.7	7.9	7.6	7.7
13	7.4	7.3	7.3	7.9	7.6	7.7	7.7	7.6	7.7	7.9	7.6	7.7
14	7.3	7.3	7.3	8.1	7.7	7.9	7.7	7.6	7.6	7.6	7.5	7.5
15	7.3	7.3	7.3	7.9	7.7	7.8	7.6	7.6	7.6	7.5	7.4	7.5
16	7.3	7.2	7.3	7.8	7.6	7.7	7.7	7.6	7.6	7.6	7.4	7.5
17	7.5	7.3	7.4	7.6	7.6	7.6	7.8	7.6	7.7	7.7	7.5	7.6
18	7.5	7.4	7.4	7.6	7.5	7.6	7.9	7.7	7.8	7.8	7.6	7.6
19	7.5	7.4	7.5	7.5	7.5	7.5	7.8	7.7	7.7	7.7	7.6	7.6
20	7.5	7.5	7.5	7.6	7.4	7.5	8.0	7.7	7.8	7.6	7.5	7.6
21	7.5	7.4	7.4	7.7	7.5	7.6	8.0	7.7	7.8	7.6	7.5	7.6
22	7.4	7.3	7.4	7.8	7.6	7.7	8.1	7.7	7.8	7.7	7.5	7.5
23	7.3	7.3	7.3	7.8	7.6	7.7	8.0	7.7	7.8	7.7	7.5	7.6
24	7.5	7.3	7.3	7.8	7.6	7.7	7.8	7.7	7.7	7.7	7.5	7.6
25	7.5	7.4	7.4	7.8	7.6	7.7	7.9	7.6	7.7	7.8	7.6	7.6
26	7.5	7.4	7.5	7.7	7.6	7.6	8.0	7.6	7.7	7.7	7.6	7.7
27	7.4	7.4	7.4	---	---	---	8.0	7.7	7.8	7.7	7.6	7.6
28	7.4	7.4	7.4	---	---	---	7.9	7.6	7.8	7.8	7.6	7.6
29	7.5	7.4	7.4	---	---	---	7.7	7.6	7.6	7.8	7.6	7.7
30	7.5	7.4	7.4	---	---	---	7.7	7.5	7.5	7.9	7.7	7.7
31	---	---	---	---	---	---	7.7	7.5	7.6	---	---	---
MAX	7.5	7.5	7.5	8.1	7.7	7.9	8.1	7.7	7.8	7.9	7.7	7.7
MIN	7.3	7.2	7.2	7.5	7.4	7.4	7.4	7.3	7.3	7.5	7.3	7.4

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	16.0	16.5	---	---	---	---	---	---	---	---	---
2	16.0	15.5	16.0	---	---	---	---	---	---	---	---	---
3	16.5	15.5	16.0	---	---	---	---	---	---	---	---	---
4	16.5	15.5	16.0	---	---	---	---	---	---	---	---	---
5	15.5	14.0	14.5	---	---	---	---	---	---	---	---	---
6	14.0	13.0	13.5	---	---	---	---	---	---	---	---	---
7	13.5	12.5	13.0	---	---	---	---	---	---	---	---	---
8	13.0	12.0	12.5	---	---	---	---	---	---	---	---	---
9	13.5	12.5	13.0	---	---	---	---	---	---	---	---	---
10	15.0	13.5	14.0	---	---	---	---	---	---	---	---	---
11	15.5	15.0	15.0	---	---	---	---	---	---	---	---	---
12	15.5	14.5	15.0	---	---	---	---	---	---	---	---	---
13	15.0	13.5	14.0	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	17.5	12.0	14.5	---	---	---	---	---	---	---	---	---

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	10.5	9.0	10.0	14.0	13.0	14.0
2	---	---	---	---	---	---	11.5	10.0	10.5	15.0	14.0	14.5
3	---	---	---	---	---	---	12.5	11.5	11.5	16.0	14.0	15.0
4	---	---	---	---	---	---	13.0	12.5	13.0	17.0	15.5	16.0
5	---	---	---	---	---	---	12.5	10.5	11.5	18.0	16.5	17.5
6	---	---	---	---	---	---	11.0	9.5	10.0	19.5	18.0	19.0
7	---	---	---	---	---	---	11.5	10.5	11.0	21.0	19.5	20.0
8	---	---	---	---	---	---	13.0	11.5	12.0	22.0	21.0	21.0
9	---	---	---	---	---	---	13.0	10.5	12.0	22.5	21.5	22.0
10	---	---	---	---	---	---	10.5	9.0	9.5	22.5	20.0	21.5
11	---	---	---	---	---	---	10.0	9.0	9.5	20.0	18.5	19.5
12	---	---	---	---	---	---	9.5	8.5	9.0	18.5	17.5	18.0
13	---	---	---	---	---	---	10.5	9.0	9.5	---	---	---
14	---	---	---	---	---	---	11.0	9.5	10.0	---	---	---
15	---	---	---	---	---	---	11.0	10.5	11.0	---	---	---
16	---	---	---	---	---	---	13.0	11.0	12.0	18.0	16.5	17.0
17	---	---	---	---	---	---	13.5	12.0	13.0	17.5	16.5	17.0
18	---	---	---	---	---	---	12.0	9.5	11.0	18.0	17.0	17.5
19	---	---	---	---	---	---	11.0	9.5	10.0	18.5	16.0	17.5
20	---	---	---	---	---	---	---	---	---	16.0	13.5	14.5
21	---	---	---	---	---	---	---	---	---	13.5	13.0	13.0
22	---	---	---	---	---	---	---	---	---	13.5	13.0	13.5
23	---	---	---	---	---	---	---	---	---	14.0	13.5	13.5
24	---	---	---	---	---	---	---	---	---	15.5	14.0	14.5
25	---	---	---	---	---	---	---	---	---	16.5	15.5	16.0
26	---	---	---	---	---	---	13.0	11.5	12.5	17.0	15.5	16.0
27	---	---	---	---	---	---	12.5	11.5	12.0	16.5	15.5	16.0
28	---	---	---	11.0	10.0	10.5	11.5	10.5	11.0	15.5	15.0	15.0
29	---	---	---	10.5	9.0	10.0	13.0	10.5	12.0	15.5	15.0	15.0
30	---	---	---	9.0	8.5	9.0	14.5	13.0	13.5	15.5	14.5	15.0
31	---	---	---	10.0	8.5	9.0	---	---	---	17.0	15.0	15.5
MONTH	---	---	---	11.0	8.5	9.6	14.5	8.5	11.1	22.5	13.0	16.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	16.5	17.5	21.5	19.5	20.5	22.5	20.0	21.5	23.5	22.0	22.5
2	20.5	18.5	19.0	22.0	20.0	21.0	21.0	20.0	20.5	24.0	22.5	23.0
3	21.0	20.0	20.5	22.0	21.0	21.5	21.5	20.5	21.0	24.5	23.0	24.0
4	20.5	19.5	20.0	22.0	21.0	21.5	21.5	21.0	21.5	25.0	23.5	24.0
5	19.5	17.5	18.5	23.0	21.5	22.0	21.5	20.0	21.0	24.0	22.0	22.5
6	17.5	15.5	16.5	22.5	22.0	22.5	21.0	20.0	20.5	22.0	20.5	21.0
7	16.0	14.5	15.5	22.5	22.0	22.0	21.0	19.5	20.0	21.0	19.5	20.0
8	17.5	15.5	16.5	22.0	21.0	21.5	22.5	21.0	21.5	20.5	19.0	20.0
9	19.0	17.0	17.5	21.5	21.0	21.5	23.5	22.5	23.0	21.5	19.0	20.0
10	21.0	18.5	19.5	22.5	21.5	22.0	24.0	23.0	23.5	22.0	20.0	21.0
11	22.5	20.5	21.5	23.5	22.0	22.5	24.0	23.5	24.0	22.0	21.0	21.5
12	22.5	21.0	22.0	24.0	22.5	23.0	23.5	22.5	23.0	22.5	21.5	22.0
13	21.0	18.0	19.0	24.0	22.5	23.0	22.5	20.5	21.0	23.0	21.5	22.0
14	18.0	16.0	17.0	23.0	22.5	22.5	20.5	19.5	20.0	22.0	21.0	21.5
15	16.5	16.0	16.0	22.5	21.5	22.0	20.5	19.0	20.0	21.5	20.5	21.0
16	18.5	16.5	17.5	22.0	21.0	21.5	22.5	20.5	21.5	20.5	19.0	20.0
17	21.0	18.5	19.5	22.0	21.0	21.5	22.5	21.5	22.0	19.0	18.0	18.5
18	21.0	20.0	20.5	23.5	22.0	22.5	21.5	20.5	21.5	18.5	17.5	18.0
19	20.0	19.0	19.5	23.0	21.0	22.0	20.5	19.5	20.0	18.0	17.0	17.5
20	20.0	18.0	19.0	21.5	20.5	21.0	21.0	19.5	20.0	19.0	17.5	18.0
21	20.5	19.0	20.0	22.0	20.5	21.5	21.0	19.0	20.0	19.5	18.5	19.0
22	20.5	20.0	20.5	23.0	21.0	22.0	21.5	19.0	20.5	19.5	18.5	19.0
23	21.0	20.0	20.5	22.5	21.5	22.0	21.0	19.5	20.5	18.5	18.0	18.0
24	21.5	20.0	21.0	22.0	21.0	21.5	21.0	19.5	20.0	18.0	17.5	17.5
25	22.5	20.5	21.5	22.0	20.5	21.0	22.0	20.0	20.5	17.5	16.5	17.0
26	23.0	22.0	22.5	21.5	20.5	21.0	22.5	20.5	21.5	16.5	15.0	15.5
27	22.5	22.0	22.5	---	---	---	22.5	21.0	21.5	15.5	14.5	15.0
28	22.0	21.0	21.5	---	---	---	22.5	21.5	22.0	15.5	14.5	15.0
29	21.5	20.5	21.0	---	---	---	22.0	21.5	21.5	15.5	14.0	14.5
30	21.0	20.0	20.5	---	---	---	22.5	21.0	21.5	15.5	14.0	14.5
31	---	---	---	---	---	---	23.0	21.5	22.0	---	---	---
MONTH	23.0	14.5	19.5	24.0	19.5	21.8	24.0	19.0	21.2	25.0	14.0	19.4

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	11.4	10.9	11.2	11.6	10.6	11.1
2	---	---	---	---	---	---	11.0	10.3	10.7	11.1	10.1	10.7
3	---	---	---	---	---	---	10.4	9.8	10.0	11.3	10.3	10.7
4	---	---	---	---	---	---	10.1	9.2	9.5	11.0	10.0	10.5
5	---	---	---	---	---	---	10.5	9.4	9.9	10.5	9.3	9.9
6	---	---	---	---	---	---	10.6	10.3	10.5	9.6	8.6	9.3
7	---	---	---	---	---	---	10.4	10.1	10.2	9.0	8.2	8.7
8	---	---	---	---	---	---	10.1	8.9	9.5	8.6	7.8	8.2
9	---	---	---	---	---	---	10.0	8.8	9.3	8.2	7.4	7.8
10	---	---	---	---	---	---	11.1	10.0	10.7	7.7	7.3	7.5
11	---	---	---	---	---	---	11.2	10.6	10.9	8.9	7.5	8.2
12	---	---	---	---	---	---	12.0	11.1	11.6	8.9	8.7	8.8
13	---	---	---	---	---	---	12.0	11.5	11.8	---	---	---
14	---	---	---	---	---	---	12.0	11.4	11.7	---	---	---
15	---	---	---	---	---	---	11.6	10.9	11.3	---	---	---
16	---	---	---	---	---	---	11.5	10.8	11.1	9.5	9.0	9.3
17	---	---	---	---	---	---	10.8	9.9	10.2	9.7	9.2	9.5
18	---	---	---	---	---	---	11.7	10.4	11.0	9.4	8.3	9.1
19	---	---	---	---	---	---	12.1	11.6	11.8	9.0	8.1	8.6
20	---	---	---	---	---	---	---	---	---	10.4	9.0	9.8
21	---	---	---	---	---	---	---	---	---	10.7	10.4	10.5
22	---	---	---	---	---	---	---	---	---	10.7	10.3	10.5
23	---	---	---	---	---	---	---	---	---	10.6	10.4	10.5
24	---	---	---	---	---	---	---	---	---	10.4	9.7	10.1
25	---	---	---	---	---	---	---	---	---	9.8	9.5	9.7
26	---	---	---	---	---	---	11.7	10.9	11.4	9.8	9.5	9.7
27	---	---	---	---	---	---	11.6	10.9	11.3	9.8	9.4	9.6
28	---	---	---	10.7	10.3	10.4	12.3	11.6	11.9	10.1	9.7	9.8
29	---	---	---	11.1	10.3	10.7	12.1	11.3	11.8	10.3	9.7	10.0
30	---	---	---	11.4	11.1	11.2	11.4	10.5	11.1	10.1	9.8	9.9
31	---	---	---	11.4	11.1	11.2	---	---	---	10.1	9.6	9.8
MONTH	---	---	---	11.4	10.3	10.9	12.3	8.8	10.8	11.6	7.3	9.6

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.8	8.7	9.4	9.0	8.7	8.9	8.6	7.9	8.3	8.9	7.6	8.2
2	8.9	8.0	8.6	8.9	8.6	8.8	8.6	8.4	8.5	8.1	7.5	7.8
3	8.3	7.6	8.0	8.9	8.5	8.6	8.5	8.1	8.3	8.4	7.0	7.6
4	8.0	6.8	7.4	8.8	8.4	8.6	8.4	8.2	8.3	8.5	7.2	7.7
5	8.1	6.8	7.3	8.8	8.4	8.6	8.7	8.3	8.5	9.4	7.0	8.2
6	---	---	---	8.9	8.2	8.5	8.8	8.4	8.6	9.9	8.0	8.8
7	---	---	---	9.0	8.3	8.6	8.8	8.5	8.7	9.7	8.4	9.0
8	---	---	---	9.3	8.4	8.8	8.5	8.0	8.3	9.7	8.2	8.9
9	---	---	---	9.5	8.6	8.9	8.6	7.9	8.2	9.9	8.4	9.0
10	---	---	---	9.4	8.2	8.6	8.5	7.7	8.2	9.7	8.1	8.7
11	---	---	---	9.5	8.1	8.6	8.6	7.8	8.1	9.6	7.8	8.6
12	---	---	---	9.9	8.0	8.8	8.6	7.7	8.2	9.2	7.8	8.4
13	---	---	---	10.0	8.0	8.7	8.8	8.1	8.5	8.9	7.6	8.1
14	9.0	8.4	8.8	9.5	7.9	8.6	8.8	8.2	8.7	8.6	7.5	7.9
15	9.1	8.9	9.0	9.4	7.9	8.6	9.0	8.1	8.8	8.3	7.6	7.9
16	9.0	8.6	8.8	9.3	8.1	8.6	8.8	8.2	8.5	8.8	7.5	8.0
17	8.6	8.2	8.4	8.9	8.3	8.6	8.9	8.0	8.3	9.4	8.2	8.8
18	8.3	8.0	8.2	8.8	8.2	8.5	8.7	7.7	8.3	10.0	8.7	9.3
19	8.8	8.3	8.6	8.7	8.2	8.4	9.5	8.4	8.9	9.5	8.9	9.2
20	9.0	8.7	8.9	9.3	8.4	8.8	9.9	8.7	9.2	9.3	8.7	9.0
21	8.7	8.2	8.6	9.3	8.5	8.8	9.9	8.7	9.2	9.1	8.4	8.7
22	8.5	8.2	8.3	9.1	8.3	8.6	10.0	8.8	9.3	9.5	8.3	8.8
23	8.4	8.0	8.3	9.1	8.2	8.6	9.4	8.7	9.0	9.0	8.4	8.7
24	8.6	8.4	8.5	9.0	8.1	8.5	9.5	8.7	9.0	9.3	8.5	8.8
25	---	---	---	9.3	8.2	8.7	9.8	8.6	9.1	9.8	8.6	9.0
26	---	---	---	8.8	8.0	8.4	9.7	8.3	9.0	9.7	8.9	9.3
27	---	---	---	---	---	---	9.6	8.3	8.9	10.1	9.4	9.7
28	---	---	---	---	---	---	8.9	8.2	8.5	10.0	9.3	9.6
29	8.8	8.3	8.6	---	---	---	9.1	8.2	8.5	10.4	9.4	9.8
30	8.9	8.5	8.7	---	---	---	9.2	7.7	8.4	10.6	9.4	9.9
31	---	---	---	---	---	---	9.2	8.0	8.5	---	---	---
MONTH	9.8	6.8	8.5	10.0	7.9	8.6	10.0	7.7	8.6	10.6	7.0	8.7

LEHIGH RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA--Continued

CROSS-SECTION ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (μS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SAM- PLING DEPTH (FEET) (00003)
AUG 2000							
09...	1049	7.8	7.8	264	22.2	290	2
09...	1053	7.7	7.7	264	22.2	280	8
09...	1054	8.0	7.7	264	22.2	280	4
09...	1055	8.0	7.7	264	22.2	280	2
09...	1059	8.3	7.7	264	22.3	260	5
09...	1100	8.3	7.7	264	22.3	260	2
09...	1105	8.2	7.7	264	22.3	240	8
09...	1106	8.0	7.7	264	22.3	240	2
09...	1109	7.9	7.7	264	22.3	220	8
09...	1110	8.2	7.7	264	22.3	220	2
09...	1117	8.4	7.7	264	22.3	195	15
09...	1118	8.4	7.8	264	22.3	195	10
09...	1119	8.5	7.8	264	22.3	195	5
09...	1124	8.4	7.7	264	22.3	180	15
09...	1125	8.5	7.8	264	22.4	180	5
09...	1126	8.4	7.8	264	22.4	180	2
09...	1129	8.1	7.7	265	22.3	160	15
09...	1130	8.5	7.7	264	22.3	160	10
09...	1131	8.4	7.8	264	22.4	160	5
09...	1132	8.1	7.8	265	22.5	160	2
09...	1136	8.4	7.8	264	22.3	140	10
09...	1138	8.0	7.8	263	22.4	140	5
09...	1144	7.3	7.8	263	22.4	120	4
09...	1148	8.1	7.7	264	22.4	100	15
09...	1149	8.2	7.8	264	22.4	100	10
09...	1152	8.0	7.8	264	22.4	100	2
09...	1155	8.1	7.8	265	22.3	80	12
09...	1156	8.3	7.8	265	22.4	80	7
09...	1200	8.4	7.7	264	22.4	60	8
09...	1201	8.5	7.8	264	22.5	60	2
09...	1205	8.4	7.8	264	22.4	40	10
09...	1206	8.5	7.8	264	22.5	40	2
09...	1208	8.3	7.8	265	22.4	20	2